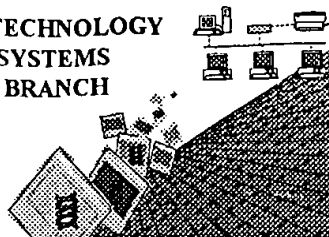


BIOTECHNOLOGY  
SYSTEMS  
BRANCH



**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/383,579A  
Source: 1600 KUSH  
Date Processed by STIC: 7/23/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**  
**VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

S. Baum



1600

## RAW SEQUENCE LISTING

DATE: 07/23/2002

PATENT APPLICATION: US/09/383,579A

TIME: 16:02:43

Input Set : A:\2531-1-001.ST25.txt

Output Set: N:\CRF3\07232002\I383579A.raw

Does Not Comply  
Corrected Diskette Needed

p.3

```

3 <110> APPLICANT: Burrell, Michael M.
4      Cambridge, Amanda P.
5      Maunders, Martin J.
6      McQueen-Mason, Simon
8 <120> TITLE OF INVENTION: Modification of Plant Fibres
10 <130> FILE REFERENCE: 2531-1-001
12 <140> CURRENT APPLICATION NUMBER: 09/383,579A
13 <141> CURRENT FILING DATE: 1999-08-25
15 <150> PRIOR APPLICATION NUMBER: UK 9818808.9
16 <151> PRIOR FILING DATE: 1998-08-29
18 <160> NUMBER OF SEQ ID NOS: 8
20 <170> SOFTWARE: PatentIn version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 488
24 <212> TYPE: DNA
25 <213> ORGANISM: eucalyptus grandis
27 <400> SEQUENCE: 1
28 atggggggggg cttgtgggta tggcaacctg tacagccaag gctatggcac caaactgca      60
30 gctttgagca ctgccctgtt caacaatggc ctgagctgcg gggcatgtta cgagatgcgg      120
32 tgcaacgacg accccagggtg gtgcctcccg gggaccatca tggtcacggc aaccaacttt      180
34 tgccctccca acttggccct ctccaacgac aattgcggtt ggtgcaaccc ccctctccag      240
36 cacttogata tggccgagcc tgctttcttg cagattgccc agtacaaagc tgggattgtc      300
38 cagggtttcct tcagaagggt tccgtgtgtg aagaaaggag gggttaagggt caccatcaat      360
40 gggcactcct acttcaactt ggtgctgatc accaacgtgg gaggtgctgg tgatgtccat      420
42 tccggtttcca tcaagggctc gaggactggt tggcaagcca tgtcaaggaa ctggggcaaa      480
44 aactggca
47 <210> SEQ ID NO: 2
48 <211> LENGTH: 475
49 <212> TYPE: DNA
50 <213> ORGANISM: eucalyptus grandis
52 <400> SEQUENCE: 2
53 atggggggggg catgcgggta tggcaacctg tacagccaag gctatggcac caaactgca      60
55 gctttgagca ctgccctgtt caacaatggc ctgagctgcg gggcatgtta cgagatgcgg      120
57 tgcaacgacg accccagggtg gtgcctcccg gggaccatca tggtcacggc aaccaacttt      180
59 tgccctccca acttggccct ctccaacgac aatggcggtt ggtgcaaccc ccctctccag      240
61 cacttogata tggccgagcc tgctttcttg cagattgccc agtacaaagc tgggattgtc      300
63 ccggtttcct tcagaagggt tccgtgtgtg aagaaaggag gggttaagggt caccatcaat      360
65 gggcactcct acttcagctg tgggtgctgat caccaacgtg ggaggtgctg tgatgtcca      420
67 ttccggtttcc atcaagagct cgaggactgg ttggcaagcc atgtcaagga attga      475
70 <210> SEQ ID NO: 3
71 <211> LENGTH: 494
72 <212> TYPE: DNA
73 <213> ORGANISM: eucalyptus grandis

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## RAW SEQUENCE LISTING

DATE: 07/23/2002

PATENT APPLICATION: US/09/383,579A

TIME: 16:02:43

Input Set : A:\2531-1-001.ST25.txt

Output Set: N:\CRF3\07232002\I383579A.raw

## 75 &lt;400&gt; SEQUENCE: 3

```

76 atggggggggg catgtggtta cggggacctt cacagggcca cctatggcaa gtacagtgcc      60
78 ggcttgagct cgatgctgtt caacagaggg agtacctgcg gggcttgctt cgagctccgg      120
80 tgcgtcgacc acattttgtg gtgcctccct ggtagcccggt cggtgatcct caccgccacc      180
82 gacttctgcc ctccgaacta cgggctcgcg gcagattacg gcgggtggtg caacttcccg      240
84 caggagcaact tcgagatgtc ggaggcgggc ttgcgcgaga ttgcgggtgcg aagggtgat      300
86 gtggtgccta tcagtacag gaggtgaaac tgtctgagaa gcgggtggtct gagattcaca      360
88 ttgagcggaa actctcactt ctttcagggtc ttggtgacga atgtaggcct agatggggag      420
90 gtgattgccca tgaaaatgaa gggatcgaaa acagggtgga taccgatggc aagaaactgg      480
92 ggcaaaaact ggca                                     494

```

95 &lt;210&gt; SEQ ID NO: 4

96 &lt;211&gt; LENGTH: 437

97 &lt;212&gt; TYPE: DNA

98 &lt;213&gt; ORGANISM: eucalyptus grandis

## 100 &lt;400&gt; SEQUENCE: 4

```

101 atgggttgcc accgggtcct tgatcctttg atggccacgg agtgcacatc cctgctccg      60
103 ccgacattgg ttatgagcac gaggttgaaa taagaatggc cgttgacggt gaaccggatc      120
105 cctccgcttc tcctgcacct cactcttcgg taggccaccg ggacgatccc ggccctgtac      180
107 tgcgcaatgt gctggaagac cggctgggag aggtcgaaat ggagttgagg agggtcgcac      240
109 caccctcctg gagggcagaa gttggtcgcc gtgaccacaa tggcgcccgg gaggcaccac      300
111 tgcgggtcgt tcacgcaccg gagctcaaag cacgcgcgcg agctcagccc attggtgaac      360
113 aatgcagtgc tcagtgcagc tgtgtttgtg ccgtaccctt ggctgtatag attcccataa      420
115 ccacacgccc ccccat                                     437

```

118 &lt;210&gt; SEQ ID NO: 5

119 &lt;211&gt; LENGTH: 437

120 &lt;212&gt; TYPE: DNA

121 &lt;213&gt; ORGANISM: eucalyptus grandis

## 123 &lt;400&gt; SEQUENCE: 5

```

124 atgggttgcc accgggtcct tgatcctttg atggccacgg agtgcacatc cctgctccg      60
126 ccgacattgg ttatgagcac gaggttgaaa taagaatggc cgttgacggt gaaccggatc      120
128 cctccgcttc tcctgcacct cactcttcgg taggccacag ggacgatccc ggccctgtac      180
130 tgcgcaatgt gctggaagac aggtcgaggag aggtcgaaat ggagttgagg agggtcgcac      240
132 caccctcctg gagggcagaa gttggtcgcc gtgacaacaa tggcgcccgg gaggcaccac      300
134 tgcgggtcgt tcacgcaccg gagctcaaag cacgcgcgcg agctcagccc attggtgaac      360
136 aatgcagtgc tcagtgcagc tgtgtttgtg ccgtaccctt ggctgtatag attcccataa      420
138 ccacacgccc ccccat                                     437

```

141 &lt;210&gt; SEQ ID NO: 6

142 &lt;211&gt; LENGTH: 448

143 &lt;212&gt; TYPE: DNA

144 &lt;213&gt; ORGANISM: eucalyptus grandis

## 146 &lt;400&gt; SEQUENCE: 6

```

147 ccttgacatg gtctgccacc ttgtccgcga acccttcacg gcgaccgagt tgacgttgcc      60
149 tgcgcgcgcg acgtttgtga cgaggacgag cttgaagtat gagttgccgt tgatggtgaa      120
151 ccggtatgct cctctcctcc tgcacgtcac cctcctgtac gcaacgtgga cgatgccggc      180
153 tcggtacttg gcaatgtgct ggaagacggg ctgggagatg tcgaagtggg gttggggcgg      240
155 gttgcaccat ccgcggcgct tgtttgggag ggcgttggtt ggcgggcaga agtttgggc      300
157 ggtgacgacg atggagccgc ccaggcacca ctttcgctcg ttcacgcacc ggatctcgaa      360
159 gcacgacccc cagctcagcc cgttttttaa cagcgccgtg ctacgcgcgg ccgtgttcgt      420
161 accgtagccc tggctgtaca ggttgccg                                     448

```

## RAW SEQUENCE LISTING

DATE: 07/23/2002

PATENT APPLICATION: US/09/383,579A

TIME: 16:02:43

Input Set : A:\2531-1-001.ST25.txt

Output Set: N:\CRF3\07232002\I383579A.raw

164 <210> SEQ ID NO: 7  
 165 <211> LENGTH: 19  
 166 <212> TYPE: DNA  
 167 <213> ORGANISM: eucalyptus grandis  
 169 <220> FEATURE:  
 170 <221> NAME/KEY: misc\_feature  
 171 <222> LOCATION: (4)..(4)  
 172 <223> OTHER INFORMATION: g represents inosine  
 175 <220> FEATURE:  
 176 <221> NAME/KEY: misc\_feature  
 177 <222> LOCATION: (7)..(7)  
 178 <223> OTHER INFORMATION: g represents inosine  
 181 <220> FEATURE:  
 182 <221> NAME/KEY: misc\_feature  
 183 <222> LOCATION: (8)..(8)  
 184 <223> OTHER INFORMATION: g represents inosine  
 187 <220> FEATURE:  
 188 <221> NAME/KEY: misc\_feature  
 189 <222> LOCATION: (11)..(11)  
 190 <223> OTHER INFORMATION: n represents a, g, t, or c  
 193 <220> FEATURE:  
 194 <221> NAME/KEY: misc\_feature  
 195 <222> LOCATION: (17)..(17)  
 196 <223> OTHER INFORMATION: n represents a, g, t, or c  
 199 <400> SEQUENCE: 7

W--&gt; 200 atggggggc ntgtggnta

19

203 <210> SEQ ID NO: 8  
 204 <211> LENGTH: 20  
 205 <212> TYPE: DNA  
 206 <213> ORGANISM: eucalyptus grandis  
 208 <220> FEATURE:  
 209 <221> NAME/KEY: misc\_feature  
 210 <222> LOCATION: (12)..(12)  
 211 <223> OTHER INFORMATION: n = a, g, t, or c  
 214 <220> FEATURE:  
 215 <221> NAME/KEY: misc\_feature  
 216 <222> LOCATION: (9)..(9)  
 217 <223> OTHER INFORMATION: y = t or c  
 220 <220> FEATURE:  
 221 <221> NAME/KEY: misc\_feature  
 222 <222> LOCATION: (6)..(6)  
 223 <223> OTHER INFORMATION: r = a or g  
 226 <220> FEATURE:  
 227 <221> NAME/KEY: misc\_feature  
 228 <222> LOCATION: (18)..(18)  
 229 <223> OTHER INFORMATION: r = a or g  
 232 <400> SEQUENCE: 8

OK -&gt; 233 tgccarttyt gncccartt

20

"g" can only represent guanine,  
 nothing else. Please  
 use "n" to represent  
 inosine

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/383,579A

DATE: 07/23/2002  
TIME: 16:02:44

Input Set : A:\2531-1-001.ST25.txt  
Output Set: N:\CRF3\07232002\I383579A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; N Pos. 11,17  
Seq#:8; N Pos. 12

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/383,579A

DATE: 07/23/2002

TIME: 16:02:44

Input Set : A:\2531-1-001.ST25.txt

Output Set: N:\CRF3\07232002\I383579A.raw

L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0